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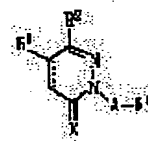
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(54) NEW PIRIDAZINE DERIVATIVE AND MEDICINE CONTAINING THE SAME AS ACTIVE INGREDIENT

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject new derivative excellent in suppressing action on a specific interleukin production, and useful as a preventing and treating agent for an immune system disease, an inflammatory disease, an ischemic disease, or the like.

SOLUTION: This new piridazine derivative is a compound of formula I [R¹ is a (substituted) aryl; R² is a phenyl substituted at least with a lower alkoxy or the like at its 4 position and other positions thereof are substitutable; R³ is H or the like; A is a single bond or the like; X is O or the like; a broken line is a single bond or the like; provided that such conditions must be satisfied when



the R3 is a halogenated lower alkyl, the A is a single bond, or the like], preferably 5,6-bis(4-methoxyphenyl)-2-(4-chlorocinnamyl)-2H-pyridazin-3-one, or the like. The compound of formula I is obtained e.g. by reacting a compound of formula II with glyoxalic acid, reacting a hydrated hydrazine with the obtained compound, then performing dehydration reaction, and then reacting the obtained compound of formula III with a compound of the formula: R3-A-Y (Y is a halogen). The obtained compound has an interleukin-1 β production-suppressing activity.

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